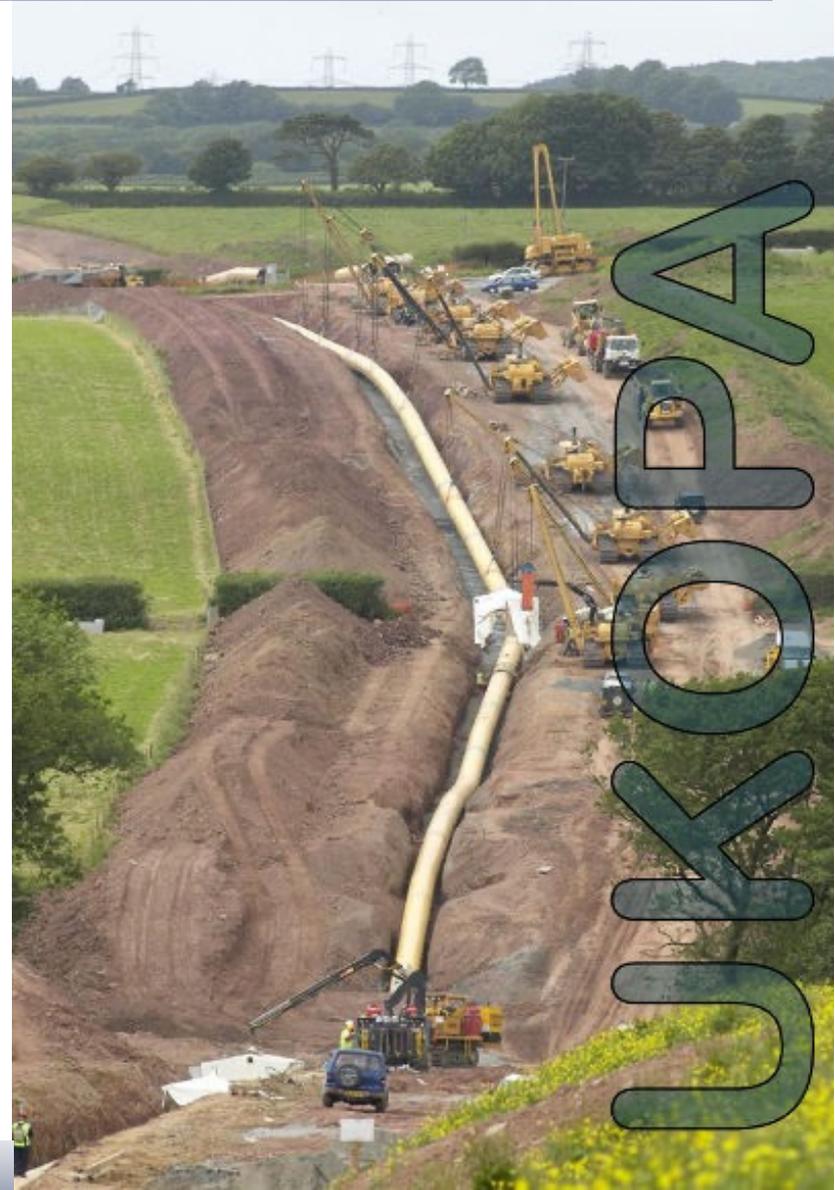


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United Kingdom Onshore Pipeline Operators' Association

Emergency Planning Working Group

Andy Fuller on behalf of
John Madden
February 2023



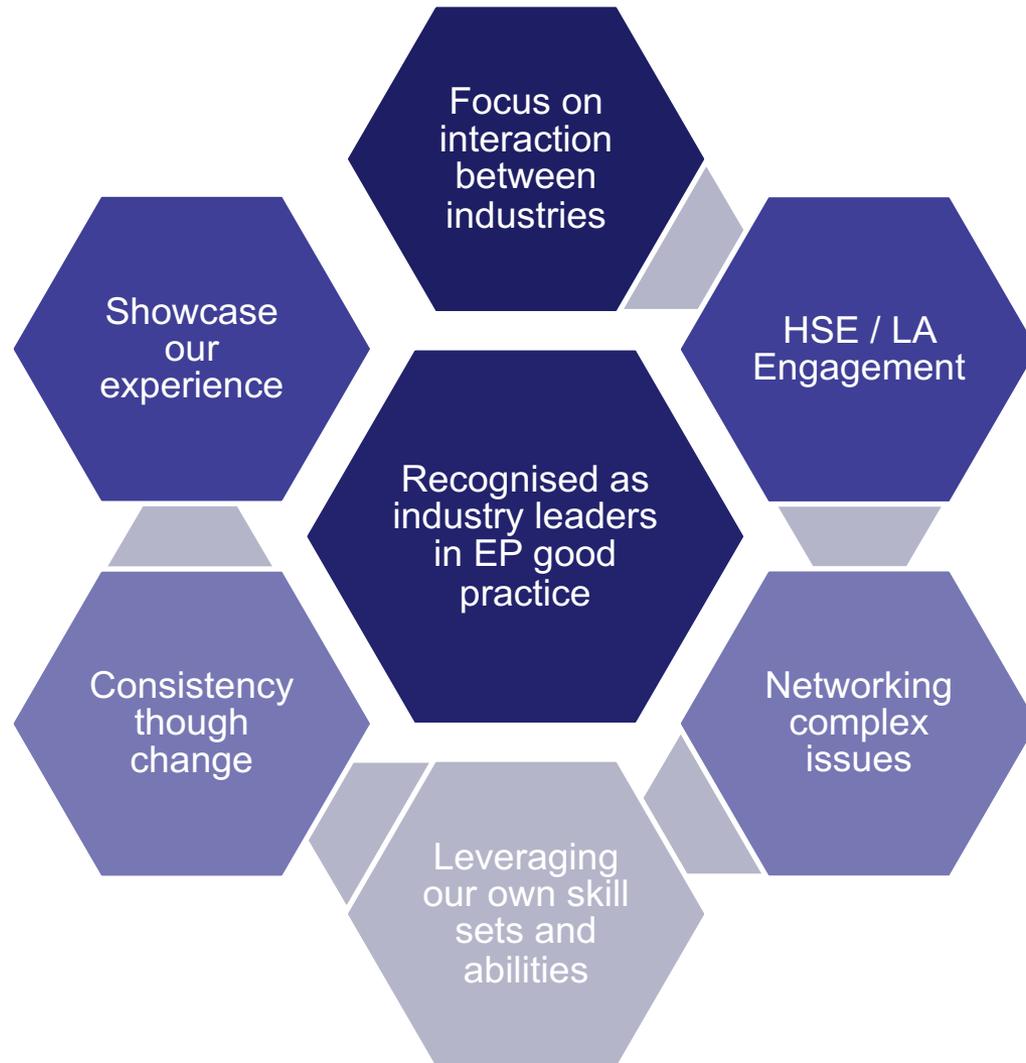
Current membership

○ John Madden (<i>Chair</i>)	National Gas Transmission	
○ Andy Middleton	Northern Gas Networks	
○ Nikki Barker	UKOPA (Secretariat Support)	UKOPA
○ Freya Mathews	Cadent	Cadent
○ Paul Boyle	Shell	
○ Aidan Bugler	Gas Networks Ireland	
○ David Butterfield	Exolum	
○ Thomas Hawkesworth	Sabir	
○ Nicholas Spray	Esso	
○ Dave Symonds	Uniper	
○ Bob Wilkins	National Gas Transmission	
○ Clive Zanker	BPA	
○ Andy Fuller	UKOPA (Technical Support)	UKOPA

Consider the future remit and name of the Working Group

EMERGENCY & RESILIENCE PLANNING WORKING GROUP

Re-Energise, and promote



Pipeline Emergency Response Officer (PERO)



- Developed by UKOPA for UKOPA Members
- 2 day course including meals and accommodation
- Mixed operator course to aid sharing of learnings
- Protracted Contract discussion in 2023 - 12 month
- Re-negotiate Contract for 2024
- Reviewing alternative venues

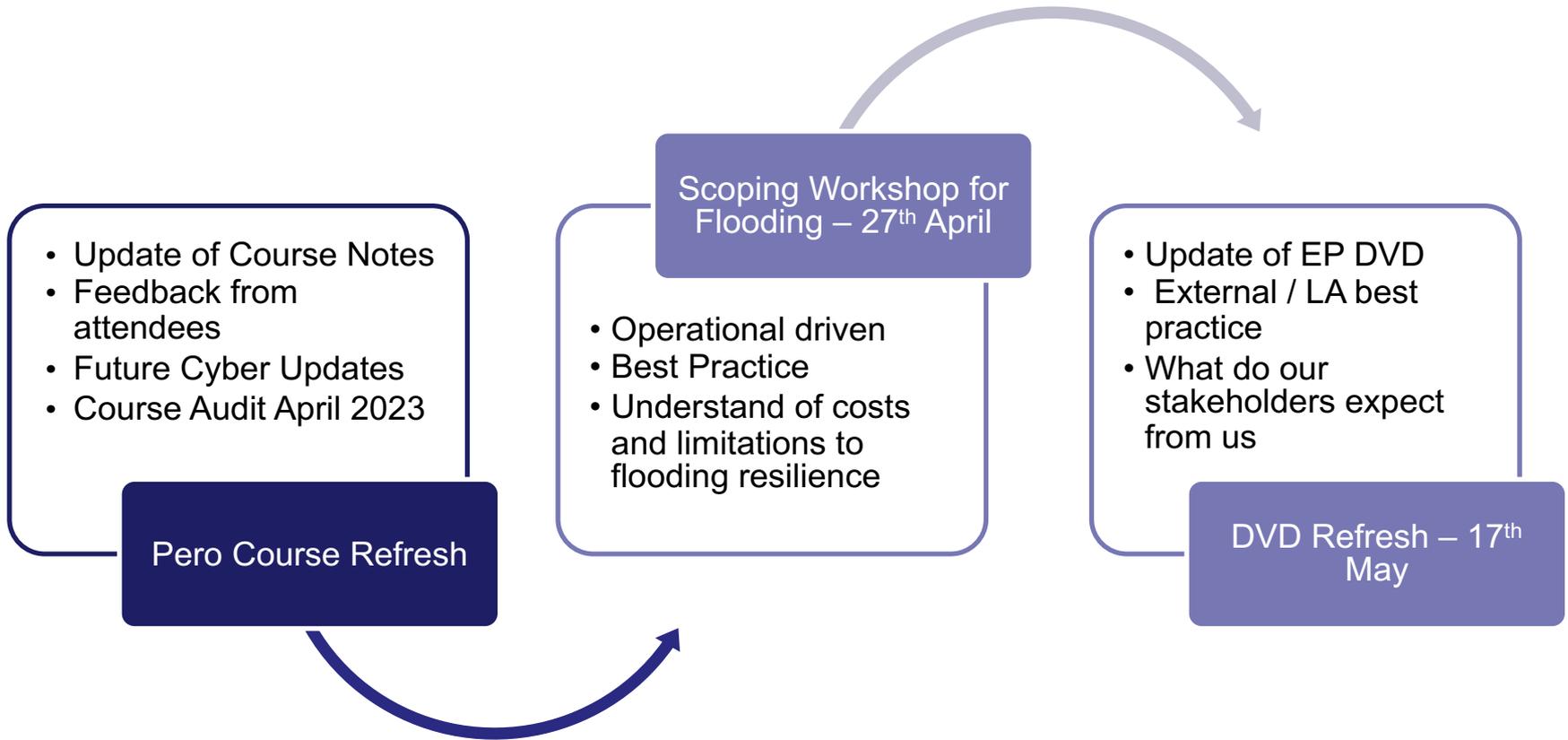
Pipeline Emergency Response Officer (PERO)



Date	Position
8 th / 9 th March	Fully booked
18 th / 19 th April	Fully booked
6 th / 7 th June	Fully booked
13 th / 14 th September	To be advertised
10 th / 11 th October	To be advertised
8 th / 9 th November	To be advertised



What's Next



What's Next – Utilising our skill set



“How can we help each other prepare for the next emergency ?”

Exercise & Emergency Updates



“Is mechanical damage still the number one risk ?”

Cyber Resilience



“Clear Communication Strategy”

Use of Town Hall events & Business Continuity Planning events

What's Next – Good Practice Guides



Review 4 GPG's

- MAHP Emergency Response Plan: *Guidance on Testing*
- MAHP Emergency Response Plan: *Emergency Plan Template*
- MAHP Emergency Response Plan: *Testing and Exercising Pro-forma*
- Pipeline Hazard Distances
Review to include the latest JESIP guidance and established practice

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**Emergency Planning Working Group (EPWG)
Good Practice Guide**

Major Accident Hazard Pipeline (MAHP) Emergency
Response Plan: Emergency Plan Template
UKOPA/GPG/011 Edition 1

April 2017

**Emergency Planning Working Group (EPWG)
Good Practice Guide**

Major Accident Hazard Pipeline (MAHP) Emergency
Response Plan: Testing and Exercising Pro-forma
UKOPA/GPG/012 Edition 1

September 2016

Island Mode – Overview and background

- Island Mode is a scenario within the existing Cyber Business Continuity Plan (CBCP)
- Island Mode is the term used to describe disconnecting sites from GNCC and other 3rd parties, so that sites are working locally
- The Island Mode project was established late 2022, to assess the feasibility of running the NTS in an isolated 'Island Mode' state, in the event of a major (nation state) cyber attack on GNCC

Island Mode – What is involved?

- Remove the GRSC Satellite Connection (Sky Edge Box)
- Remove the GRSC ISDN Backup Connection (BT Openreach box)
- Isolate ALERT System
- Place ROV's into Local Mode
- Creation of a set of local work instructions for Operations
- Analysis, training and exercising will be undertaken to increase competency of those involved

Project Aaron – November 2022 – Crisis Management Team (Gold Command)



CMT Exercise structure



Silver and Gold command at Warwick H/O supported by business & Project SMEs. Observed by expert CMT consultants.



Bronze Command on site at Wormington, supported by Project SMEs

Set the scene - incident simulation

Mechanical incident triggered by Operations, following a loss of blades at Wormington Compressor Station

Seems like a mechanical incident, until

CSIRT receive an IDS alert for Felindre – something unusual is happening on the network



Meanwhile, Felindra Operations have called GNCC to report a vibration issue on their compressor site



Armed with this information, the Silver Duty Commander (Incident Controller) declared the incident - **COULD IT BE THERE IS MORE TO THIS THAN MEETS THE EYE!...**

Incident Investigation

- Do we have the right systems, processes and data to enable effective analysis and decision making
- Decision making – when or if we should invoke Island Mode
- Balancing of security of supply vs employee welfare
- How we communicate with each other during an incident
- Ensuring Lessons Learnt and improving the BCP framework.

Future opportunities

- Crisis Management Governance structures to be reviewed
- Update GT wide Crisis Management Framework
- Develop a suite of Cyber Response Plans
- Communications Planning
- Update Island Mode Planning
- Training and Exercising



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Thanks

ANY QUESTIONS